

**Claims**

1. A sensor comprising at least first and second electrodes and a volume therebetween for receiving a liquid sample, and which includes an agent that  
5 lyses cells, wherein the lysing agent is in or on the surface of the first electrode.
2. A sensor according to claim 1, which also comprises an enzyme of which glucose is a substrate.
3. A sensor according to either preceding claim, which also comprises a  
10 spreading layer over at least the first electrode.
4. A sensor according to any preceding claim, wherein the lysing agent is comprised in a layer applied onto the first electrode.
5. A sensor according to claim 4, wherein an enzyme and/or a mediator are applied in one or more additional layers on the first electrode.
- 15 6. A sensor according to any of claims 1 to 3, wherein the lysing agent is comprised in the first electrode.
7. A sensor according to claim 6, wherein the first electrode comprises a carbon layer and, on top thereof, a carbon layer including the lysing agent.
8. A sensor according to any preceding claim, wherein the lysing agent  
20 lyses red blood cells.